

AMENDMENTS TO THE CLAIMS

1. (Original) A DNA comprising a nucleotide sequence encoding the following polypeptide (a) or (b):
 - (a) a polypeptide, consisting of an amino acid sequence identical to or substantially identical to the amino acid sequence represented by SEQ ID NO: 2; or
 - (b) a polypeptide, consisting of an amino acid sequence derived from the amino acid sequence represented by SEQ ID NO: 2 by deletion, substitution, or addition of one or a plurality of amino acids and having biological activity substantially equivalent to the functions of the polypeptide (a).
2. (Original) A DNA (c) or (d) as follows:
 - (c) a DNA, comprising the nucleotide sequence represented by SEQ ID NO: 1 and containing the nucleotide sequence that encodes the amino acid sequence represented by SEQ ID NO: 2; or
 - (d) a DNA, hybridizing under stringent conditions to a DNA consisting of a nucleotide sequence complementary to that of the DNA (c) and encoding a protein having biological activity substantially equivalent to the functions of the polypeptide consisting of the amino acid sequence represented by SEQ ID NO: 2.
3. (Currently Amended) A gene, comprising the DNA of claim 1 ~~or claim 2~~.
4. (Currently Amended) An expression vector, comprising the DNA of claim 1 ~~or claim 2~~.

5. (Original) A transformant, comprising the vector of claim 4.
6. (Original) A protein, comprising the following polypeptide (a) or (b):
 - (a) a polypeptide, consisting of an amino acid sequence identical to or substantially identical to the amino acid sequence represented by SEQ ID NO: 2; or
 - (b) a polypeptide, consisting of an amino acid sequence derived from the amino acid sequence represented by SEQ ID NO: 2 by deletion, substitution, or addition of one or a plurality of amino acids and having biological activity substantially equivalent to the functions of the polypeptide (a).
7. (Currently Amended) A recombinant protein, which is obtained by causing the expression of a gene comprising the DNA of claim 1 ~~or claim 2~~.
8. (Currently Amended) An antibody, binding to the protein of claim 6 ~~or claim 7~~.
9. (Original) The antibody of claim 8, which is a monoclonal antibody.
10. (Original) An antibody, binding to a peptide of SEQ ID NO: 3 or 4.
11. (Currently Amended) An anti-carcinoma agent, comprising the antibody of ~~any one of claims 8 to 10~~ claim 8.

12. (Original) The anti-carcinoma agent of claim 11, wherein carcinoma is lung carcinoma.

13. (Original) The anti-carcinoma agent of claim 11, wherein carcinoma is breast carcinoma.

14. (Original) The anti-carcinoma agent of claim 11, wherein carcinoma is prostatic adenocarcinoma.

15. (Original) The anti-carcinoma agent of claim 11, wherein carcinoma is pancreatic carcinoma.

16. (Currently Amended) A method for screening for a substance binding to the protein of claim 6 ~~or claim 7~~ or a partial peptide thereof, comprising the steps of:

- (a) bringing a test sample into contact with the protein or a partial peptide thereof;
- (b) detecting binding activity of the protein or the partial peptide thereof with the test sample;
- and
- (c) selecting a compound having activity to bind to the protein or the partial peptide thereof.

17. (Original) The screening method of claim 16, wherein the partial peptide is a peptide consisting of the amino acid sequence represented by SEQ ID NO: 3 or 4.

18. (Currently Amended) A polynucleotide, hybridizing under stringent conditions to the DNA of claim 1 ~~or claim 2~~ and consisting of at least 15 nucleotides.

19. (Original) The polynucleotide of claim 18, encoding the amino acid sequence represented by SEQ ID NO: 3 or 4.

20. (Currently Amended) A method for detecting carcinoma using the polynucleotide of claim 18 ~~or claim 19~~ as a probe, comprising the steps of:

(a) bringing a test sample into contact with the polynucleotide; and

(b) detecting activity of hybridization between the polynucleotide and the test sample.